

Spokesman's report and Executive Board report

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EXECUTIVE BOARD REPORT

Executive Board Report

- **Three meetings since last Collaboration Board:**
 - [2019-02-22], 2019-04-12, 2018-05-17
- **EB activities:**
 - Supported Physics 'n' S/w&C Coordinators in organisation of analysis
 - Set conference, publication and project priorities
 - Liaised with Speakers' Bureau and its chair VP
 - Began work on outreach for Nature paper

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RESOURCES

Staff effort

- **P.Franchini, S/w&C Coordinator:**
 - **Now ~100% SuperNemo – hand-over to P.Kyberd:**
 - **Will finish system paper; is available for consultation on MAUS**
- **General bleeding of expertise/experience:**
 - **All remaining post-docs now formally $\geq 50\%$ supported on other projects**
 - **Biggest issue: ensuring critical publications are published in a timely fashion**

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DELIVERING THE MICE LEGACY

Papers

Title	Contact	27-Jun-19 v17		Comments Jan-19
		Preliminary	Final	
Phase-space density/emittance evolution; rapid communication	C. Rogers	Apr18 w/s	Apr19	Second draft with collaboration
Measurement of multiple Coulomb scattering of muons in lithium hydride	J. Nugent	Jun18; CM51	Apr19	Unfolding issues resolved? Move forward CM54
Performance of the MICE diagnostic systems	P. Franchini	Feb19; CM53		Complete draft. Move forward CM54
Phase-space density/emittance evolution review paper	C. Hunt	TBD		Full analysis chain in place.
Phase-space density/KDE/6D-emittance evolution	C. Brown	TBD		Thesis published on initial analysis; taken over by C.Brown
Measurement of multiple Coulomb scattering of muons in LH2	J. Nugent	TBD		Awaits completion of LiH paper
Field-on measurement of multiple Coulomb scattering	A. Young	TBD		Analysis underway

Legacy...

- Agreed with STFC to work together to publicise the MICE legacy at the time of the submission/publication of first cooling results in Nature Physics
- Examples of impact to bring forward:
 - **Scientific:**
 - Papers, conference proceedings, theses, talks, ...
 - **Impact:**
 - **Direct:**
 - E.g. g-2 ring may use wedge absorber to improve beam
 - **Legacy:**
 - Muon Collider, nuSTORM, novel neutrino-beam discussions in ESPPU
 - **Impact:**
 - Investment in high-tech, UK, local, EU and other industry (quantifiable);
 - Outreach (e.g. national competition for schools organised on the back of Neutrino 2016)
 - Trained personnel: technical, engineering (cryo, mech., elec, electronic, s/w), analysis, accelerator scientist
- Need to continue to develop these arguments

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NEXT COLLABORATION MEETINGS

Future meetings

- **2019:**
 - **CM54:**
 - June 2019: 27th and 28th June 2019
 - **CM55:**
 - **October 2019: 24th and 25th October 2019**
- **Analysis workshops:**
 - **Subsequent meetings to be announced by C. Rogers**
- **Video conferences:**
 - **08Aug19**
 - **19Sep19**